

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 97 AND MD 28 IN MONTGOMERY COUNTY. MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES AS A NEMA SIX-PHASE, SEMI-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR THE MD 97 APPROACHES AND SIDE STREET SPLIT PHASING. THIS PHASING WILL NOT CHANGE.

PROJECT CONSTRUCTION

WORK WILL INCLUDE REVISING THE WESTBOUND MD 28 LANE CONFIGURATION AND REPLACING THE DETECTION.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
9086	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT, 1-4 CAMERAS
9571	37 SF	SHEET ALUMINUM SIGNS
		2 EA. R3-6(L) SIGN (30"x36") - SPAN WIRE MOUNTED
		1 EA. R3-82 SIGN (84"x36") - GROUND MOUNTED

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8004	1 EA	FURNISH AND INSTALL 15 FT STREET LIGHTING ARM
8014	LS	REMOVE AND DISPOSE EXISTING MATERIAL AND EQUIPMENT
8020	30 SF	RELOCATE EXISTING SIGN
8041	21 SF	INSTALL GROUND MOUNTED SIGN
8042	16 SF	INSTALL OVERHEAD SIGN
8071A	1 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA
8073A	1 EA	FURNISH AND INSTALL VIDEO DETECTION CONTROL CABLE - 500 FT.
NES	30 LF	FURNISH AND INSTALL WOOD SIGN SUPPORT - 4 IN. X 6 IN.

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
	NONE	

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 3 ARE AS FOLLOWS:

MR. LEE STARKLOFF ASSISTANT DISTRICT ENGINEER - TRAFFIC (301) 513-7318	MR. RALEIGH MEDLEY ASSISTANT DISTRICT ENGINEER - MAINTENANCE (301) 513-7304
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MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
(301) 513-7350

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR. CHIEF, TRAFFIC OPERATIONS (410) 787-7630	MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS (410) 787-7676
MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS (410) 787-7631	MS. DARLENE EIDE SUPPLY OFFICE SIGNAL SHOP WAREHOUSE (410) 787-7668

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

CONTACTS FOR MONTGOMERY COUNTY

MR. ROBERT GONZALAS
TRAFFIC ENGINEERING
(240) 777-8761

SEQUENCE OF OPERATION SHEET

TRAFFIC OPERATIONS SECTION
DIVISION OF TRAFFIC ENGINEERING
MONTGOMERY COUNTY, MARYLAND

SHEET 1 OF 1
NO. 139 I

INTERSECTION MD 97 (GEORGIA AVE) & MD 28 (NORBECK RD)

PHASING

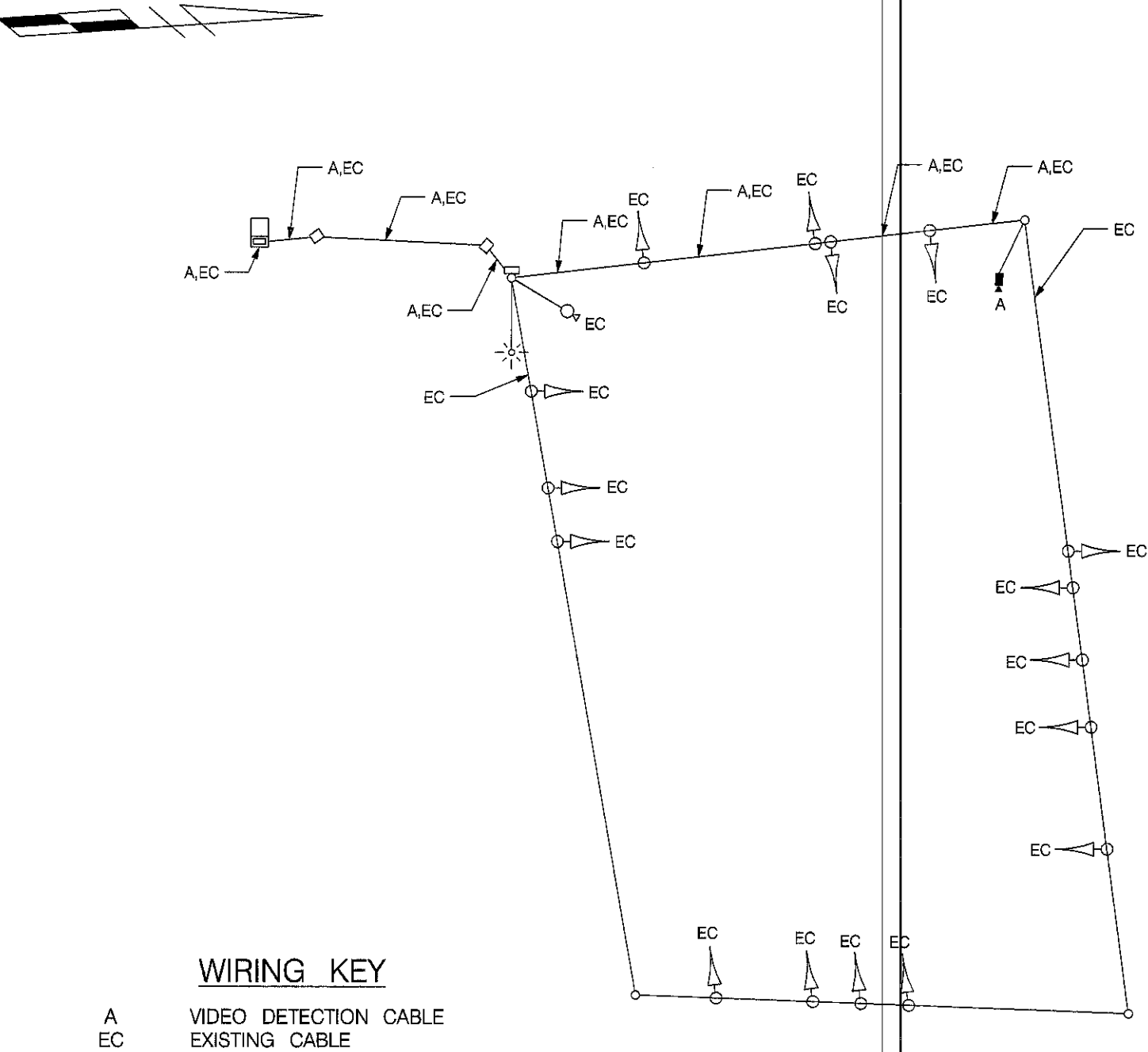
SIGNAL NO.	SIGNAL HEAD INDICATIONS				
	1,2,5,6,11,12	3,4,7,8,10,13,14,17	15,16		
TOTAL	7	8	2		
LEGEND					
<input checked="" type="checkbox"/> OPTICALLY UNIFIED					
R - RED					
Y - YELLOW					
G - GREEN					
A - ARROW					
F - FLASHING					

SIGNAL NO.	SEQUENCE OF OPERATION															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	KR	KR	KR	KG	KY	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR
2	KR	KR	KR	KG	KY	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR
3	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	Y
4	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	Y
5	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR
6	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR
7	G	Y	R	R	R	R	R	R	R	R	R	R	G	Y	R	Y
8	G	Y	R	R	R	R	R	R	R	R	R	R	G	Y	R	Y
9	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR
10	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R
11	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR
12	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR
13	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R
14	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R
15	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R
16	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R
17	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R

NOTES:

SUBMITTED: _____	CHECKED: _____	APPROVED: _____
IN SERVICE BY: _____	DATE: _____	TIME: _____

WIRING DIAGRAM



TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

FAX (410) 923-6473 EMAIL TRA.CONCEPT@AOL.COM

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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 97 (GEORGIA AVE.) AT MD 28 (NORBECK RD.)
NORBECK, MARYLAND

DRAWN BY: M. HOWELL	F.A.P. NO. _____	TS NO. 190C GI	SHEET NO. _____
CHECKED BY: T. ZAYDEL	S.H.A. NO. 072003	T.I.M.S. NO. G461	2 OF 2
SCALE: NONE	COUNTY: MONTGOMERY		
DATE: 7-16-04	LOG MILE: 15002827.04		